ELSEVIER

Wave Motion 19 (1994) 409–410

WAVE MOTION

Contents of Volume 19

Vol. 19, No. 1

A.A. Asatryan and Yu.A. Kravtsov
Longitudinal caustic scale and boundaries of applicability of uniform Airy-asymptotics 1
S.T. Simakov
Formation of singularities of limiting amplitude in a density stratified fluid disturbed by an extended monochromatic forcing 11
A.I. Potapov and A.I. Vesnitsky
Interaction of solitary waves under head-on collisions. Experimental investigation 29
S. Hirose
2-D Scattering by a crack with contact-boundary conditions 37
G. Caviglia and A. Morro
Wave propagation in a dissipative stratified layer 51
T.R. Marchant and A.H. Pincombe
Microwave heating of materials with temperature-dependent wavespeed 67
J.B. Lawrie and I.D. Abrahams
Acoustic radiation from two opposed semi-infinite coaxial cylindrical waveguides. II: separated ducts 83
Announcement 111

Vol. 19, No. 2

V.I. Alshits, A.N. Darinskii, J. Lothe and V.I. Lyubimov
Surface acoustic waves in piezocrystals: an example of surface wave existence with clamped boundary 113
A. Scalia
Shock waves in viscoelastic materials with voids 125
J.P. McHugh
Surface waves on an inviscid shear flow in a channel 135
W. Cieślikiewicz and O.T. Gudmestad
Mass transport within the free surface zone of water waves 145
A. Sedov, L.W. Schmerr and S.-J. Song
A bounded beam solution for the pulse–echo transducer response of an arbitrary on-axis scatterer in a fluid 159
A. Kildal
Linear and non-linear fluid motion generated by an oscillating obstacle 171
F.C.P. De Barros and J.E. Luco
Response of a layered viscoelastic half-space to a moving point load 189
Erratum (S. Blume, L. Klinkenbusch and U. Uschkerat, The radar cross section
of the semi-infinite elliptic cone, Wave Motion 17 (4) (1993) 365–389) 211

Vol. 19, No. 3

B.Z. Steinberg
A multiresolution theory of scattering and diffraction 213
G.N. Mercer and A.J. Roberts
The form of standing waves on finite depth water 233

H. Ling and J.A. Rial
Asymptotic analysis of SH-wave modes in geologic resonators (sedimentary basins) of non-separable geometry 245
Y. Fu
On the propagation of nonlinear travelling waves in an incompressible elastic plate 271
H.-H. Dai and R. Wong
A uniform asymptotic expansion for the shear-wave front in a layer 293

Vol. 19, No. 4

C.H. Chapman and R.T. Coates
Generalized Born scattering in anisotropic media 309
P. Ananthakrishnan and R.W. Yeung
Nonlinear interaction of a vortex pair with clean and surfactant-covered free surfaces 343
W. Craig and M.D. Groves
Hamiltonian long-wave approximations to the water-wave problem 367
M.E. King and A.F. Vakakis
A method for studying waves with spatially localized envelopes in a class of nonlinear partial differential equations 391

Author index of volume 19 407

Contents of volume 19 409